

Abstract

A multiple slot antenna wherein the slots are arranged in a planar configuration and therein the antenna further comprises a plurality of plano-convex Rotman lenses
5 disposed in a stack, each plano-convex Rotman lens in said stack having a major surface disposed at an angle to the planar configuration of the slots of the antenna, with planar portions of the each Rotman lens defining a portion of each one of the slots of the antenna.